

IN THE CLAIMS:

The following is a complete listing of claims in this application.

1. (currently amended) A light emitting diode comprising:
a base made of heat conductive material and having a ~~heat radiation surface~~ quadrangular surface;

~~at least one~~ a wire plate made of an insulation material and secured to an upper surface of the base;

exposing means for forming an exposed mounting area on the surface of the base;

conductive patterns having anode and cathode patterns formed on the wire plate;

a light emitting diode element having an anode and a cathode on an upper surface thereof and secured to the base at the exposed mounting area; and

~~connecting means~~ four lead wires for electrically connecting the light emitting diode element to the conductive patterns;

wherein the wire plate has a same peripheral shape as the base, and

the four lead wires connect respectively two parts of the anode and two parts of the cathode of the light emitting diode element to the conductive patterns further comprising four terminal portions formed at respective corners on the wire plate.

2. (currently amended) The light emitting diode according to claim 1 wherein the base has a heat radiation surface ~~is~~ provided on an underside of the base.

3. (previously presented) The light emitting diode according to claim 1 wherein the exposing means is a perforated hole formed in the wire plate.

Claims 4-5 (canceled).

6. (previously presented) The light emitting diode according to claim 1 further comprising an encapsulating member for protecting the light emitting diode element.

7. (withdrawn and amended) The light emitting diode according to claim ~~1~~ 2 further comprising ~~cooling fins provided on the heat radiation surface of the base~~ heat radiation holes formed in one of the sides of the base.

Claims 8-9 (canceled).

10. (currently amended) ~~A~~ The light emitting diode according to claim 1, further comprising:

~~a base made of heat conductive material and having a flat plate shape and a heat radiation surface formed on a surface thereof;~~

~~— at least one wire plate made of an insulation material and secured to an upper surface of the base;~~

~~— exposing means for forming an exposed mounting area on the surface of the base;~~

~~— conductive patterns secured to the wire plate;~~

~~— a light emitting diode element secured to the base at the mounting area;~~

~~— connecting means for electrically connecting the light emitting diode element to the conductive patterns;~~

a print substrate having conductive patterns provided on an underside thereof and secured to the conductive patterns on the wire plate so as to electrically connect both the conductive patterns;

wherein the print substrate has a hole for discharging the light emitted from the light emitting diode element.

Claim 11 (canceled).

12. (previously presented) The light emitting diode according to claim 10 further comprising a heat radiating member secured to an underside of the base.

13. (withdrawn and currently amended) ~~A~~ The light emitting diode according to claim 1 further comprising:

~~a base made of heat conductive material and having a flat plate shape and a heat radiation surface formed on a surface thereof;~~

~~—— at least one wire plate made of an insulation material and secured to an upper surface of the base;~~

~~—— exposing means for forming an exposed mounting area on the surface of the base;~~

~~—— conductive patterns secured to the wire plate;~~

~~—— a light emitting diode element secured to the base at the mounting area;~~

~~—— connecting means for electrically connecting the light emitting diode element to the conductive patterns;~~

heat pipes projected from a side wall of the base; and

a heat radiation member secured to ends of the heat pipes.

14. (withdrawn and currently amended) A light emitting diode device having a plurality of light emitting diodes, each of the light emitting diodes comprising:

a base made of heat conductive material and having a quadrangular flat plate shape ~~and a heat radiation surface formed on a surface thereof;~~

~~at least one~~ a wire plate made of an insulation material and secured to an upper surface of the base;

exposing means for forming an exposed mounting area on the surface of the base;

conductive patterns having anode and cathode patterns formed on ~~secured to~~ the wire plate;

a light emitting diode element having an anode and a cathode on an upper surface thereof and secured to the base at the mounting area;

~~connecting means~~ four lead wires for electrically connecting the light emitting diode element to the conductive patterns, the four lead wires connecting respectively two parts of the anode and two parts of the cathode of the light emitting diode element to the conductive patterns further comprising four terminal portions formed at respective corners of the wire plate;

wherein the light emitting diode device has a heat radiation member, and the light emitting diodes are supported on a surface of the heat radiation member.

Claim 15 (canceled).

16. (new) A light emitting diode comprising:

a base made of heat conductive material and having a quadrangular shape;

a wire plate made of an insulation material and secured to an upper surface of the base;

exposing means for forming an exposed mounting area on the surface of the base;

conductive patterns formed on the wire plate;

a light emitting diode element having an anode and a cathode and secured to the base at the exposed mounting area;

connecting means for electrically connecting one of the anode and the cathode of the light emitting diode element to the conductive patterns;

wherein the other of the anode and the cathode of the light emitting diode element is connected to the base, and the base further comprises a projection formed on an upper surface thereof which is a terminal portion for the other of the anode and the cathode of the light emitting diode element.